CC 87-I-3(P)

PRELIMINARY REPORTS
INDUSTRY SERIES

# 1987 Census of Construction Industries

CC87-I-3(P)
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## OPERATIVE BUILDERS

(Industry 1531)

During 1987, the establishments with paid employees classified in this industry accounted for $62.0 billion in total dollar value of business. Of this amount, $52.7 billion were for the value of construction work. These establishments paid out $14.6 billion for materials, components, supplies, and fuels and $24.2 billion for construction work subcontracted to others. Total employment for this industry averaged 173,874 for the year with a total payroll of $4.6 billion. Value added for 1987 was $15.6 billion.

Establishments classified in this industry are primarily engaged in the construction (including renovation) of single-family houses and other buildings for sale on their own account rather than as contractors. This industry includes speculative builders and condominium developers. For additional examples, refer to the 1987 Standard Industrial Classification (SIC) Manual published by the Office of Management and Budget, Executive Office of the President.

A "construction establishment" is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sampled establishment covering domestic operations.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have excluded the value of work in progress during the calendar year. Receipts may have also excluded work done by builders engaged in construction for sale on their own account or for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

The data in this report are estimated from a sample survey and are subject to sampling variability as well as errors of response and nonreporting. The relative standard error shown in the tables is a measure of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are available upon request and will be included in the final report.

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## Table 1. Detailed Statistics for Establishments With Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 3]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) 1987 | 1982 |
|---|---|---|---|---|
| Number of establishments in business during year | 21 087 | 14 053 | 1 | 1 |
| Proprietors and working partners | 3 478 | 2 481 | 4 | 4 |
| All employees** | 173 874 | 107 635 | 1 | 1 |
| Construction workers: | | | | |
| March | 77 578 | 50 316 | 1 | 1 |
| May | 83 719 | 52 952 | 1 | 1 |
| August | 86 520 | 53 911 | 1 | 1 |
| November | 77 660 | 51 237 | 1 | 1 |
| Average | 81 367 | 53 212 | 1 | 1 |
| Other employees: | | | | |
| March | 91 283 | 51 721 | 1 | 1 |
| May | 92 317 | (NA) | 1 | (NA) |
| August | 94 331 | (NA) | 1 | (NA) |
| November | 92 109 | (NA) | 1 | (NA) |
| Average | 92 507 | (NA) | 1 | (NA) |
| Construction worker hours (thousands): | | | | |
| January to March | 32 786 | 19 913 | 2 | 2 |
| April to June | 36 357 | 21 204 | 2 | 1 |
| July to September | 38 110 | 21 778 | 2 | 1 |
| October to December | 34 250 | 20 703 | 2 | 1 |
| Total hours worked | 141 505 | 83 600 | 1 | 1 |
| Payroll, all employees | 4 564 811 | 1 873 775 | 1 | 1 |
| Payroll, construction workers | 1 527 552 | 709 719 | 1 | 1 |
| Payroll, other employees | 3 037 259 | 1 164 056 | 1 | 1 |
| First quarter payroll, all employees | 1 079 845 | 437 994 | 1 | 1 |
| Employer costs for fringe benefits, all employees | 783 440 | 332 603 | 1 | 1 |
| Legally required expenditures | 554 158 | 238 386 | 1 | 1 |
| Voluntary expenditures | 229 281 | 94 217 | 1 | 1 |
| Dollar value of business done | 61 955 163 | 18 084 627 | 1 | 1 |
| Value of construction work[1] | 52 667 800 | 15 607 430 | 1 | 1 |
| Value of construction work subcontracted in from others | 396 477 | 90 971 | 13 | 6 |
| Land receipts[2] | 7 550 178 | 2 049 688 | 1 | 1 |
| Other business receipts | 1 737 205 | 427 508 | 2 | 1 |
| Net value of construction work† | 28 478 030 | 8 841 057 | 1 | 1 |
| Value added†† | 15 618 497 | 5 492 462 | 1 | 1 |
| Selected costs | 38 789 731 | 10 542 476 | 1 | 1 |
| Materials, components, and supplies | 14 230 370 | 3 613 878 | 1 | 1 |
| Construction work subcontracted to others | 24 190 145 | 6 766 373 | 1 | 1 |
| Selected power, fuels, and lubricants | 369 215 | 162 224 | 1 | 1 |
| Electricity | 143 426 | 70 476 | 1 | 1 |
| Natural gas | 30 467 | 15 177 | 3 | 4 |
| Gasoline and diesel fuel | 181 687 | 67 162 | 2 | 1 |
| On highway use | 162 613 | (NA) | 2 | (NA) |
| Off highway use | 19 074 | (NA) | 6 | (NA) |
| Other, including lubricating oils and greases | 17 007 | 9 407 | 3 | 3 |
| Rental costs for machinery, equipment, and buildings | 230 372 | 95 850 | 2 | 1 |
| For machinery and equipment | 87 658 | 34 702 | 3 | 2 |
| For buildings | 144 694 | 61 148 | 2 | 1 |
| Selected purchased services | 288 931 | 126 221 | 2 | 1 |
| Communication services | 137 980 | 58 195 | 2 | 1 |
| Repairs to buildings and other structures | 50 129 | 27 337 | 3 | 2 |
| Repairs to machinery and equipment | 100 833 | 40 689 | 3 | 2 |
| Ownership of construction projects: | | | | |
| Value of construction work | 52 667 800 | 15 607 430 | 1 | 1 |
| Government owned | 267 027 | 205 309 | 17 | 31 |
| Federal | 56 188 | (NA) | 14 | (NA) |
| State and local | 210 838 | (NA) | 22 | (NA) |
| Privately owned | 52 400 773 | 15 402 121 | 1 | 1 |

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.
[2]Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

## Table 2. Value of Construction Work for Establishments With Payroll by Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see below.]

| Item | 1987 | 1982 | Relative standard error of estimate (percent) 1987 | 1982 |
|---|---|---|---|---|
| **Value of construction work**[1] | **52 667 800** | **15 607 430** | **1** | **1** |
| Building construction | 51 255 315 | 15 550 764 | 1 | 1 |
| Single-family houses | 45 098 072 | 13 488 163 | 1 | 1 |
| Single-family houses, detached | 35 329 076 | 10 129 865 | 1 | 1 |
| Single-family houses, attached | 9 768 995 | 3 358 298 | 2 | 1 |
| Apartment buildings with two or more apartments | 2 423 277 | 1 167 720 | 3 | 1 |
| Other residential buildings, including hotels and motels | 1 412 256 | 135 980 | 8 | 3 |
| Office buildings | 1 138 735 | 305 477 | 3 | 2 |
| Other commercial buildings such as stores, restaurants, and automobile service stations | 502 953 | 164 072 | 4 | 4 |
| Industrial buildings and warehouses | 418 855 | 213 487 | 8 | 4 |
| Industrial buildings | 222 724 | 163 470 | 8 | 5 |
| Warehouses | 196 131 | 50 016 | 14 | 4 |
| Other nonresidential buildings | 227 173 | 75 865 | 1 | 6 |
| Land development for buildings | 33 991 | (S) | 9 | (S) |
| Nonbuilding construction | 311 010 | 34 835 | 7 | 9 |
| Construction work, n.s.k. | 1 101 474 | 21 830 | 2 | 14 |

[1]In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

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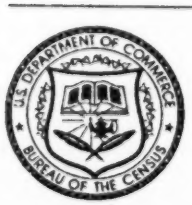
The following abbreviations and symbols are used in the tables in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees is the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4.
- - Represents zero.
- † Represents value of construction work less payments for construction work subcontracted to others.
- †† Represents dollar value of business done less payments for construction work subcontracted to others, and payments for materials , components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "dollar value of business done".
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.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